

Serial No. 10/702,038 2
Docket No. P21-163397M/YS
NGB.327

AMENDMENTS TO THE CLAIMS:

Please add new claims 36-51 and amend the claims as follows:

1. (Currently Amended) A lock apparatus for attaching a container member to a support member openably, the lock apparatus comprising:
 - an operation handle;
 - a spring, which is movably supported by the container member;
 - a slide pin, which is urged in a direction of a lock hole defined on the support member by the spring, respectively; and
 - a cam member to which a rear end portion of the slide pin is fitted to urge the slide pin to project and retract, and
 - wherein when the operation handle is operated in a swing manner, a front end portion of the slide pin is retracted from the lock hole of the support member against pressure of the spring, and
 - wherein a ~~cylindrical~~ cylinder ~~portion~~ that accommodates the cam member is formed on the operation handle.
- 2-26. (Canceled)
27. (Currently Amended) The lock apparatus according to claim 1, wherein the ~~cylindrical~~ cylinder ~~portion~~ accommodates the spring.
28. (Currently Amended) The lock apparatus according to claim 1, further comprising a

Serial No. 10/702,038 3
Docket No. P21-163397M/YS
NGB.327

support frame that supports the operation handle,

wherein the operation handle supports the spring[[,]] and the cam member.

29. (Currently Amended) The lock apparatus according to claim 1, further comprising a support frame that include a screw hole on a rear surface side thereof and that includes bent walls bent to extend in a direction towards the ~~eylindrical~~ cylinder ~~portion~~ at both side edges thereof,

wherein each of the bent walls includes an opening that allows a front end of the cam member to go therethrough.

30. (Previously Presented) The lock apparatus according to claim 29, wherein the cam member is supported by the opening so that the front end is not rotatable but can go through the opening.

31. (Currently Amended) the lock apparatus according to claim 1, wherein the ~~eylindrical~~ cylinder ~~portion~~ includes a projected portion on an inner face thereof, and

wherein the cam member includes a cam groove having a guide portion for guiding the projected portion into the cam groove.

32. (Currently Amended) The lock apparatus according to claim 1, wherein the ~~eylindrical~~ cylinder ~~portion~~ includes a pair of projected portions on an inner face thereof, the pair of projected portions being opposed to each other, and

wherein the cam member includes a pair of cam grooves each including a guide

portion for guiding the one of the projected portions thereinto.

33. (Currently Amended) The lock apparatus according to claim 1, wherein the cam member includes a cam groove having a lock portion for locking the cam member at a position that the cam member is retracted in the ~~eylindrical~~ cylinder portion.
34. (Currently Amended) The lock apparatus according to claim 1, further comprising an O-ring which slide contacts with the ~~eylindrical~~ cylinder portion and a cylindrical portion of the cam member simultaneously.
35. (Currently Amended) The lock apparatus according to claim 1, wherein said slide pin comprises an end portion, said end portion comprising:
a bifurcated structure comprising elastic pieces; ~~and~~
~~a stopper piece between said elastic pieces.~~
36. (New) The lock apparatus according to claim 1, wherein the cylinder slidably supports the cam member.
37. (New) The lock apparatus according to claim 1, wherein the cylinder comprises a pair of projected portions on an inner face thereof, the pair of projected portions being opposed to each other such that a first of said pair of projected portions is formed on an upper portion of the inner face and a second of said pair of projected portions is formed on a lower portion of the inner face, and

wherein the cam member includes a pair of cam grooves each including a guide portion for guiding the one of the projected portions thereinto.

38. (New) The lock apparatus according to claim 1, wherein the cylinder comprises a pair of projected portions on an inner face thereof, the pair of projected portions being disposed opposed to each other with respect to a center of said cylinder, and

wherein the cam member includes a pair of cam grooves each including a guide portion for guiding the one of the projected portions thereinto.

39. (New) The lock apparatus according to claim 33, wherein said lock portion comprises a substantially flat surface shape perpendicular to a direction of movement of the cam member.

40. (New) The lock apparatus according to claim 1, wherein said cam member is substantially entirely contained within said cylinder.

41. (New) The lock apparatus according to claim 1, wherein said slide pin comprises an end portion, said end portion comprising:

a generally U-shaped extension portion extending from said end portion, said generally U-shaped extension portion comprising a through hole for engaging a contact piece disposed on said cam member.

42. (New) The lock apparatus according to claim 41, wherein said generally U-shaped

extension portion comprises a pair of projections, said projects engaging a pair of holes in said cam member.

43. (New) The lock apparatus according to claim 1, wherein said slide pin includes an extension portion extending from an end of said slide pin,

wherein said cam member includes a generally square tubular portion, and

wherein said extension portion of said slide pin is inserted into said generally square tubular portion.

44. (New) The lock apparatus according to claim 1, wherein said slide pin further includes a pair of projections disposed on said extension portion.

45. (New) A method of assembling a lock apparatus for attaching a container member to a support member openably, the method comprising:

providing the lock apparatus, the lock apparatus comprising:

an operation handle;

a spring, which is movably supported by the container member; and

a cam member; and

inserting a slide pin into the cam member, the slide pin being urged in a direction of a lock hole defined on the support member by the spring,

wherein a rear end portion of the slide pin is fitted to the cam member to urge the slide pin to project and retract,

wherein when the operation handle is operated in a swing manner, a front end portion

Serial No. 10/702,038 7
Docket No. P21-163397M/YS
NGB.327

of the slide pin is retracted from the lock hole of the support member against pressure of the spring, and

wherein a cylinder that accommodates the cam member is formed on the operation handle.

46. (New) A lock apparatus for attaching a container member to a support member

openably, the lock apparatus comprising:

an operation handle;

a pair of springs, which are movably supported by the container member;

a pair of slide pins, which are urged in a direction of a lock hole defined on the support member by the springs, respectively; and

a pair of cam members to which a rear end portion of the slide pins is fitted to urge the slide pins to project and retract, and

wherein when the operation handle is operated in a swing manner, a front end portion of the slide pins is retracted from the lock hole of the support member against pressure of the springs, and

wherein a cylinder that accommodates the cam members is formed on the operation handle.